



URGENT

PROJECT MANAGER
FIREFINDER

U.S. ARMY ELECTRONICS RESEARCH
AND DEVELOPMENT COMMAND
FORT MONMOUTH, NEW JERSEY 07703

HUGHES

GROUND SYSTEMS GROUP

MAINTENANCE BULLETIN

AN/TPQ-37 (V4) ANTENNA TRANSCEIVER GROUP	FILE NO: 141	REVISION:
	DATE: 9/5/91	CATEGORY: D-SAFETY
SUBJECT: MISSING SLEEVING INSULATION ON BSU AND RECEIVER EXCITER POWER SUPPLY CONNECTOR CONTACTS	SYSTEMS AFFECTED: 89-99 (FMS ONLY)	

1. REFERENCE: Figure 15, Receiver-Exciter Unit and figure 135, Antenna Array Wiring Harness, TM 11-5840-355-34P, Direct Support and General Support Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for AN/TPQ-37 Radar Set.

2. PURPOSE: The purpose of this SAFETY Bulletin is to alert the users of missing insulating sleeving on Beam Steering Unit (BSU) and Receiver Exciter Power Supply connector contacts. These exposed wires carry system AC Power (115V, 400Hz) as well as DC Power (-5 to 100V), thus presenting a possible SAFETY hazard when maintenance is being accomplished within the vicinity. Enclosed for ease of identification of the area within the BSU (P420, P421, P422, P423, P424, P425, P426, and P427) and Receiver Exciter (P9, P10, P11, P12, and P13) affected, find art work that has been extracted from reference in paragraph 1 above.

3. SAFETY PRECAUTION. A reminder to technical personnel to de-energized the System per TM 11-5840-355-10-1, Operator's Manual while components/assemblies

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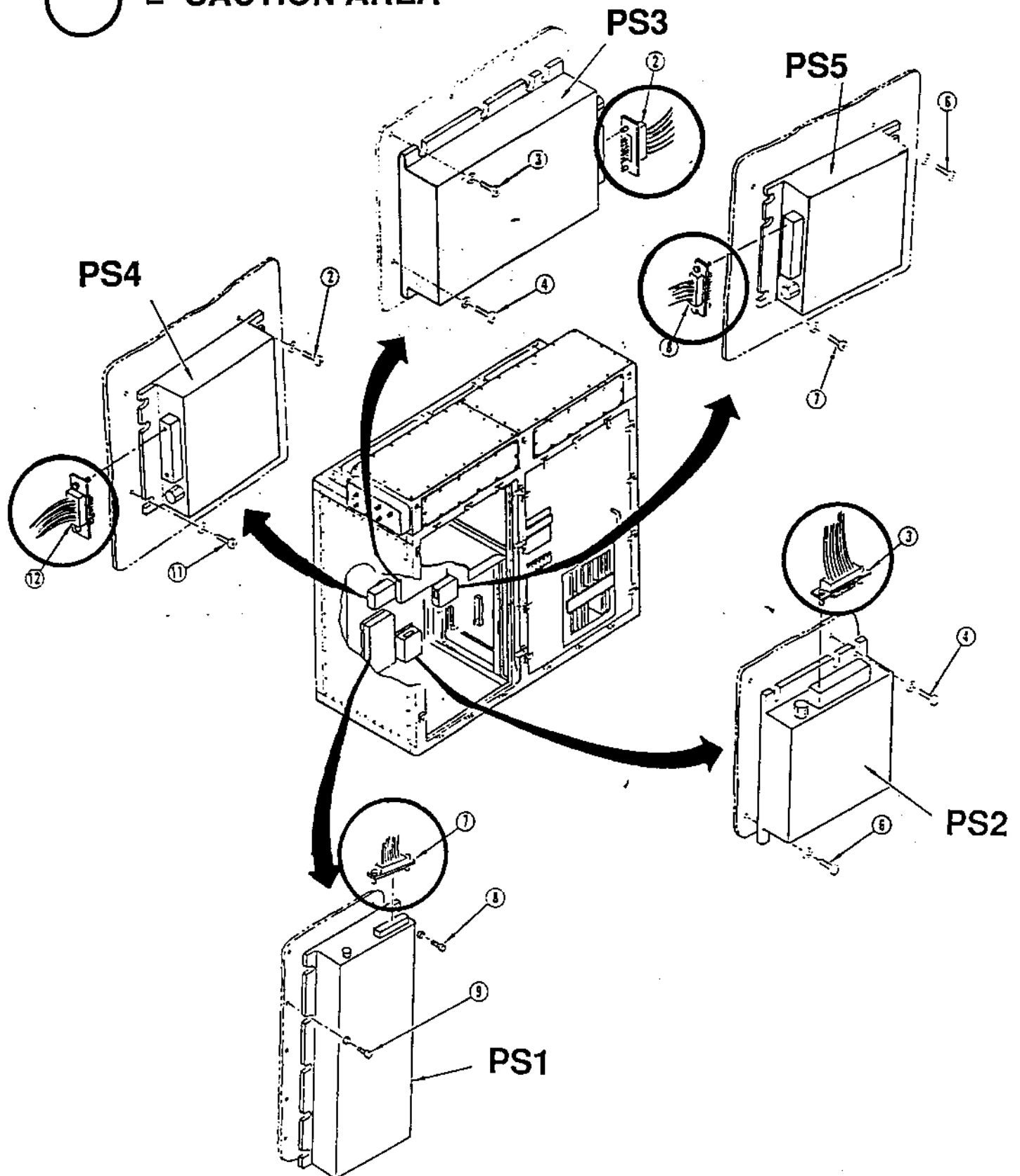
are being removed from the equipment as a SAFETY precaution. Technical personnel should be CAUTIONED about this SAFETY problem while they perform troubleshooting/maintenance around the subject surrounding areas.

4. CORRECTIVE ACTION: The long term corrective action to alleviate above problem is now under consideration. After the final solution to this problem is arrived at, detailed documentation will be forwarded to the field for implementation.

NOTE: This Bulletin is automatically cancelled upon implementation of the long term corrective action.

RECEIVER EXCITER POWER SUPPLIES

● ○ = CAUTION AREA



BEAM STEERING UNIT POWER SUPPLIES

○ = CAUTION AREA

